

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (currently amended) A system for controlling engagement and disengagement of a friction element, comprising:

a source of line pressure;

a source of exhaust pressure;

a manual valve having a forward state and a reverse state, connected to the exhaust pressure source and line pressure source and including a first outlet, ~~and~~ a second outlet, for opening and closing communication between said outlets and said pressure sources in response to changes in the states, and a third outlet;

a friction element communicating with the line pressure source through a hydraulic path that includes the manual valve in the reverse state but no other valve; ~~and~~

a control valve including a port communicating with the friction element, the control valve producing control pressure at the port when the manual valve is in the forward state; and-

a second friction element communicating with the line pressure source through the third outlet in the reverse state.

8. (original) The system of claim 7, wherein the control valve communicates with the line pressure source, and communicates with the exhaust pressure source through the first outlet in the forward state.

9. (original) The system of claim 7, wherein the friction element communicates with the line pressure source through the second outlet in the reverse state.

10. (canceled)

11. (original) The system of claim 7, wherein the manual valve includes a third outlet and a fourth outlet, the system further comprising:

a second friction element communicating with the line pressure source through the third outlet in the reverse state; and

a second control valve communicating with the line pressure source through the fourth outlet when the manual valve is in the forward state, communicating with the exhaust pressure source through the first outlet when the manual valve is in the forward state, including a second port communicating with the second friction element, the control valve producing control pressure at the second port when the manual valve is in the forward state.

12. (original) The system of claim 7, wherein the manual valve includes a third outlet and a fourth outlet, the system further comprising:

a second friction element communicating with the line pressure source through the third outlet when the manual valve is in the reverse state; and

a second control valve including a second port communicating with the second friction element, the control valve producing control pressure at the second port when the manual valve is in the forward state.

13. (previously presented) A system for controlling engagement and disengagement of a friction element, comprising:

a source of line pressure;

a source of exhaust pressure;

a manual valve including a chamber hydraulically connected to the exhaust pressure source and line pressure source, a spool moveable in the chamber between a forward state and a reverse state including

a first land for opening communication to the exhaust pressure source through the manual valve in the forward state and for closing said communication in the reverse state,

a second land for opening communication to the line pressure source through a first outlet of the manual valve in the reverse state and for closing said communication through the first outlet in the forward state;

a friction element communicating with the line pressure source through a hydraulic path that includes the manual valve and no other valve; and

a control valve including a port communicating with the friction element, the control valve producing control pressure at the port when the manual valve is in the forward state.

14. (original) The system of claim 13, wherein the control valve communicates with the line pressure source, and communicates with the exhaust pressure source through the manual valve in the forward state.

15. (original) The system of claim 13, wherein the friction element communicates with the line pressure source through the manual valve in the reverse state.

16. (original) The system of claim 13, wherein the manual valve includes a third land for opening communication to the line pressure source through the manual valve in the reverse state and for closing said communication in the forward state, the system further comprising:

a second friction element communicating with the line pressure source through the manual valve in the reverse state.

17. (original) The system of claim 13, wherein the second land further opens communication through a second outlet in the manual valve to the line pressure source in the forward state, and closes said communication through the second outlet in the reverse state, the system further comprising:

a second friction element communicating with the line pressure source through the manual valve is in the reverse state; and

a second control valve including a second port communicating with the second friction element, the control valve producing control pressure at the second port when the manual valve is in the forward state.